

**Sensor** = A device that senses the signal energy of another device so as to communicate the same to another device or location.

**Symmetrical** = The shape of an object of integrated entity which can be divided into two along some axis through the object or the integrated entity such that the two halves form mirror image of each other.

**Transducer** = **A device that converts one type of signal or energy into another.**

While this invention has been described with reference to illustrative embodiments, this description is not intended to be construed in a limiting sense. Various modifications and combinations of the illustrative embodiments as well as other embodiments of the invention will be apparent to a person of average skill in the art upon reference to this description. It is therefore contemplated that the appended claim(s) cover any such modifications, embodiments as fall within the true scope of this invention.

### **The Inventor claims:**

**1. A continuous real time tire pressure monitoring and display system for a transport vehicle comprising:**

- a) a piston mounted magnet in a cylinder mounted on the inside wall of each tire of said transport vehicle;
- b) a permanent magnet mounted perpendicular to said piston mounted magnet and mounted inside each said tire of said transport vehicle;
- c) a transducer mounted on each rim of each said tire of said transport vehicle; and
- d) an electronics module mounted in said transport vehicle and connected to each said transducer by at least one electrical conductor.